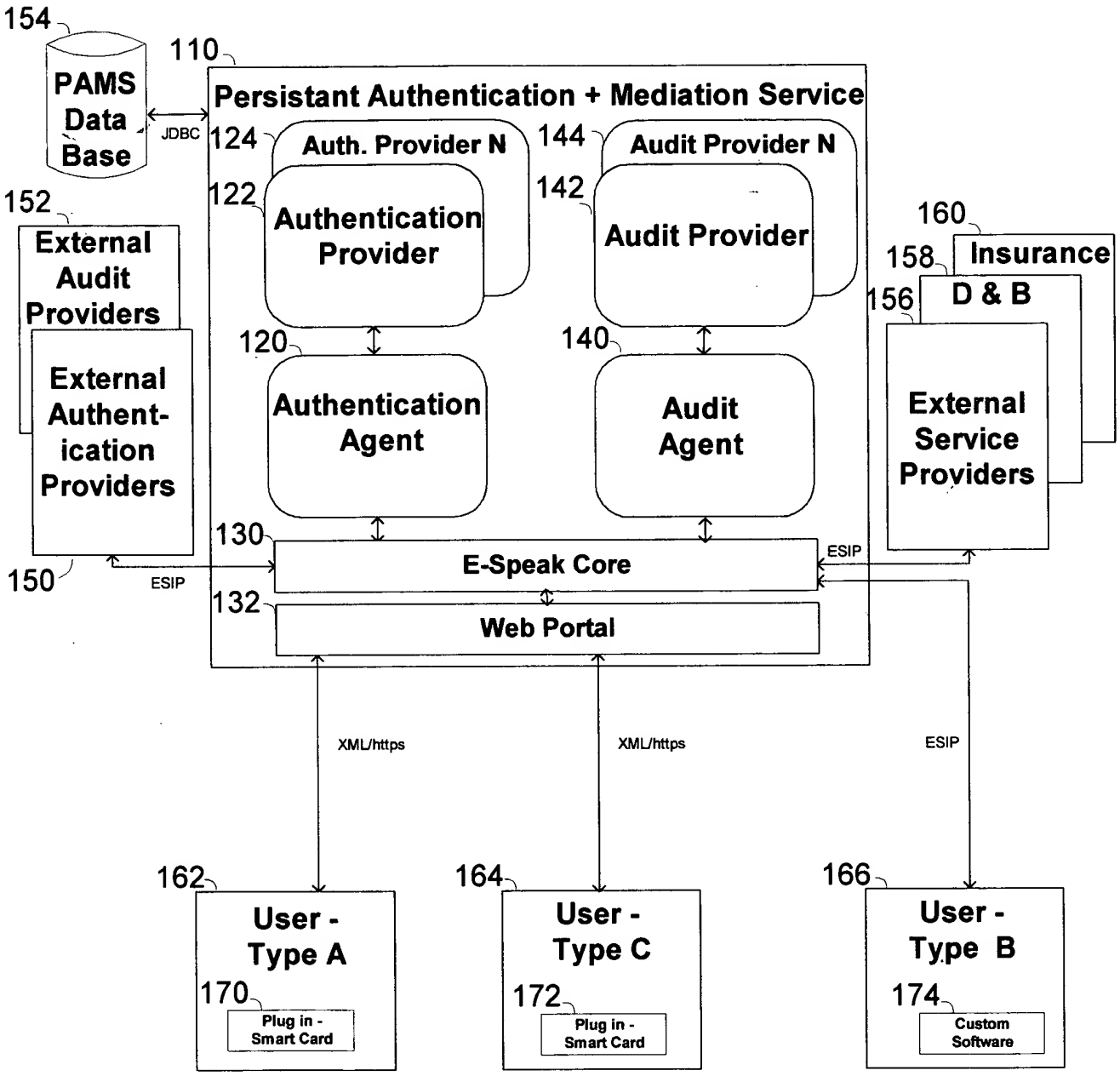

154
PAMS Data Base
JDBC
110
Persistant Authentication + Mediation Service
124
Auth. Provider N
122
Authentication Provider
144
Audit Provider N
142
Audit Provider
152
External Audit Providers
External Authent-ication Providers
120
Authentication Agent
140
Audit Agent
160
Insurance
158
D & B
156
External Service Providers
130
E-Speak Core
ESIP
150
ESIP
132
Web Portal
XML/https
XML/https
ESIP
162
User - Type A
170
Plug in - Smart Card
164
User - Type C
172
Plug in - Smart Card
166
User - Type B
174
Custom Software

Fig. 1

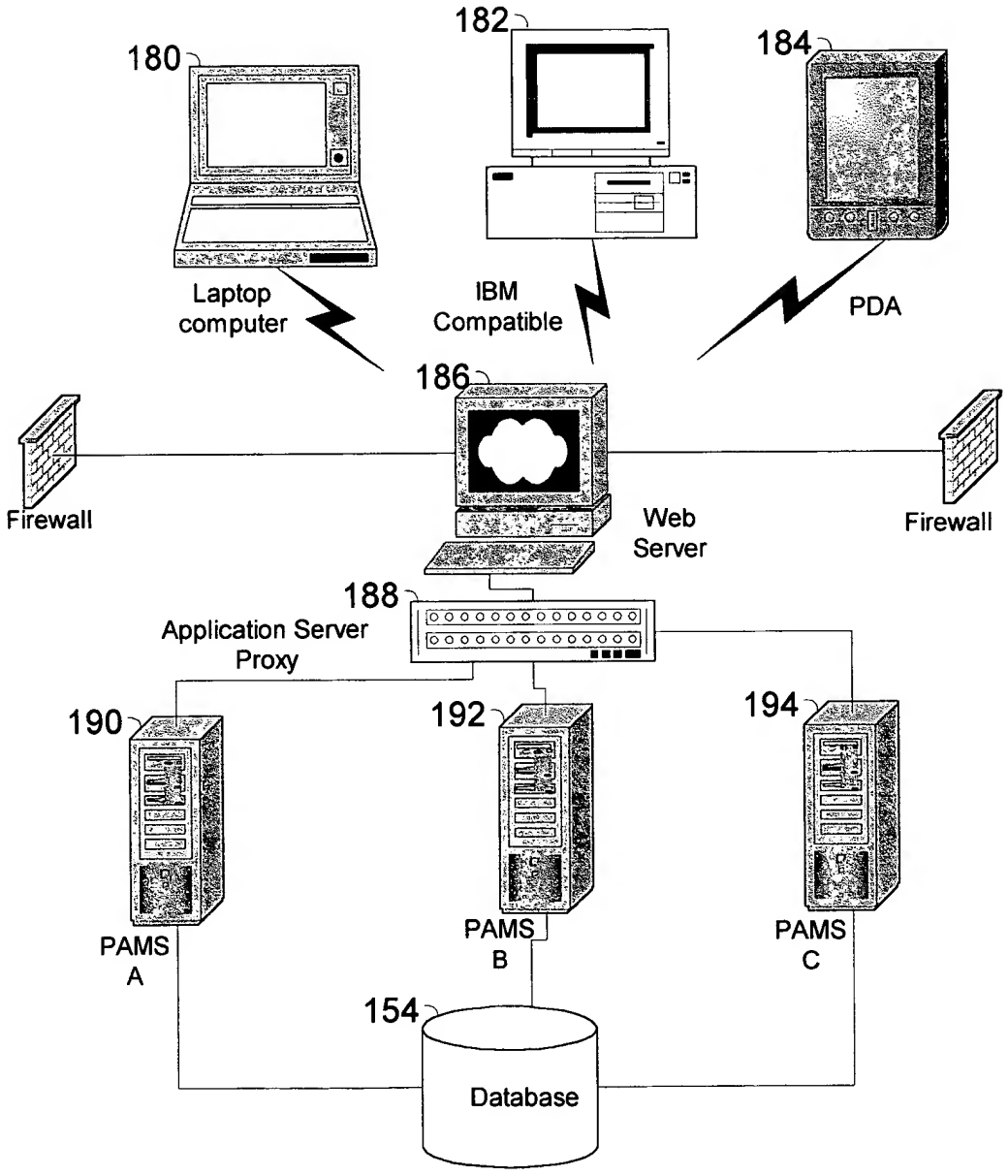
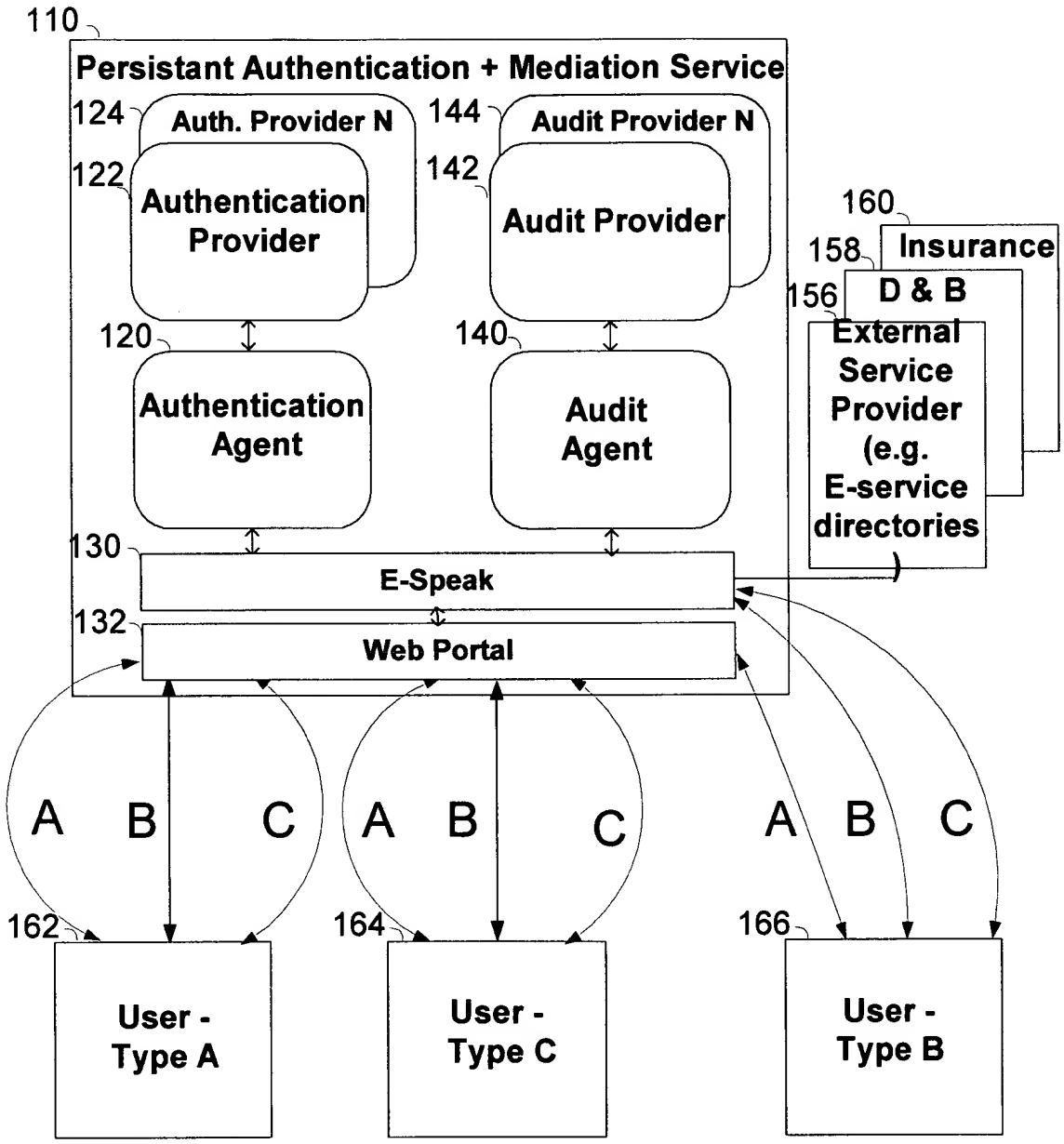

180
182
184
Laptop computer
IBM Compatible
PDA
186
Firewall
Web Server
Firewall
188
Application Server Proxy
190
192
194
PAMS A
PAMS B
PAMS C
154
Database

Fig. 2



A = Registration, B= Authentication, Discovery and Relationship Development, C= Collaboration

Fig. 3

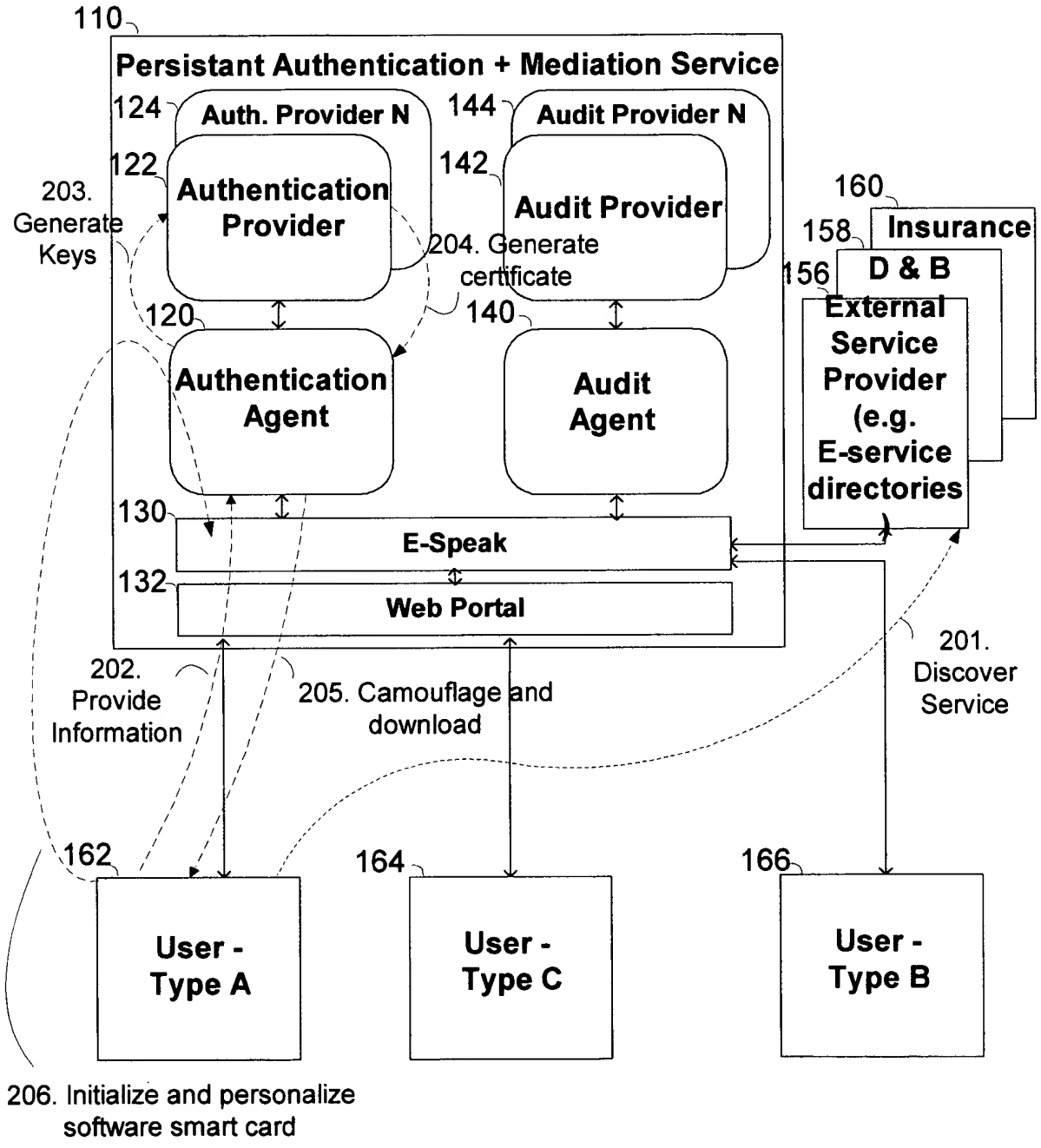

110
Persistant Authentication + Mediation Service
124
Auth. Provider N
144
Audit Provider N
122
Authentication Provider
142
Audit Provider
160
Insurance
158
D & B
156
External Service Provider (e.g. E-service directories)
203. Generate Keys
204. Generate certificate
120
140
Authentication Agent
Audit Agent
130
E-Speak
132
Web Portal
202. Provide Information
205. Camouflage and download
201. Discover Service
162
164
166
User - Type A
User - Type C
User - Type B
206. Initialize and personalize software smart card

Fig. 4

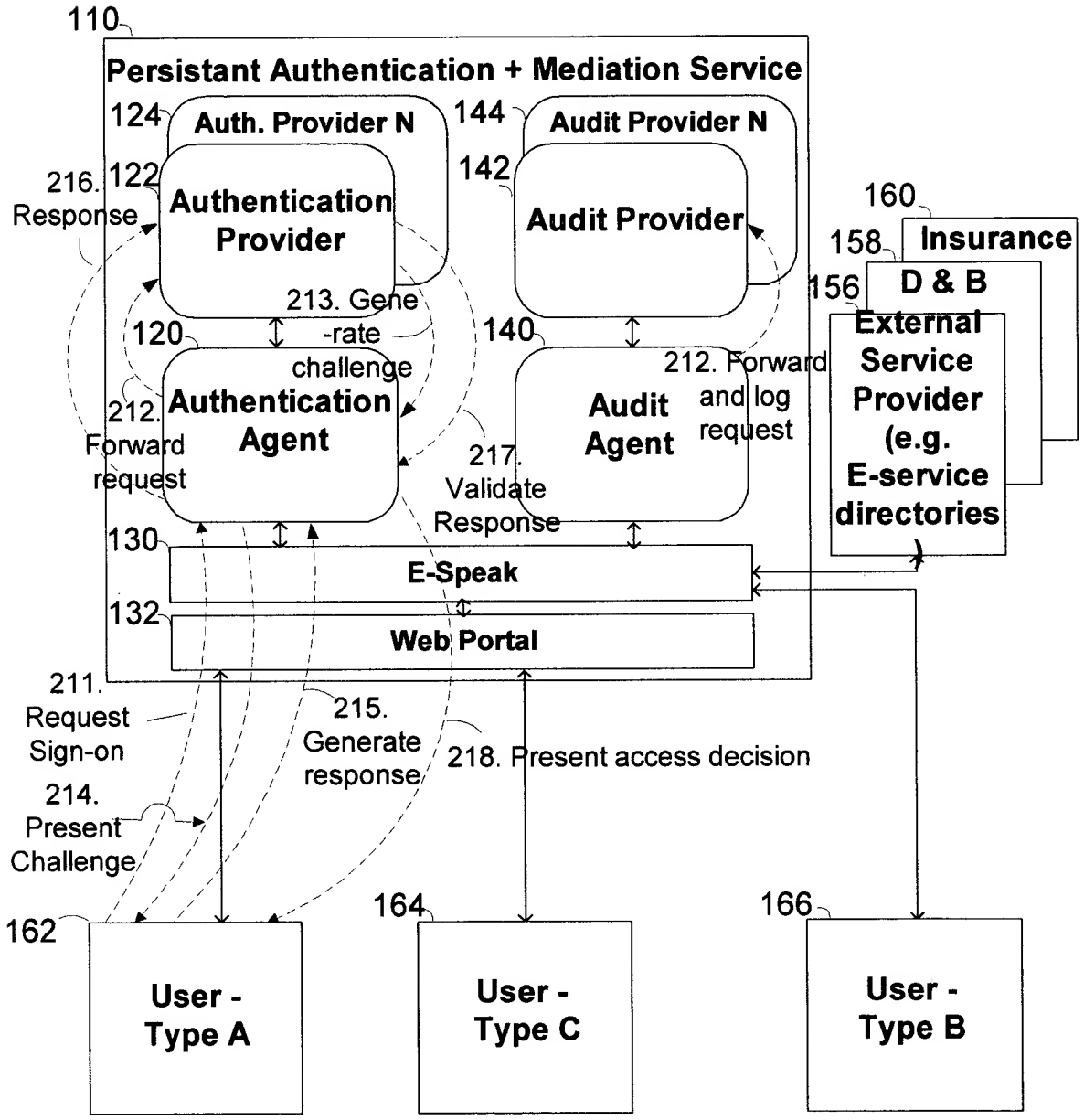

110
Persistant Authentication + Mediation Service
124
Auth. Provider N
144
Audit Provider N
122
Authentication Provider
142
Audit Provider
160
158
Insurance
156
D & B
External Service Provider (e.g. E-service directories)
216. Response
213. Gene -rate challenge
120
140
212. Forward and log request
212. Forward request
Authentication Agent
Audit Agent
217. Validate Response
130
E-Speak
132
Web Portal
211. Request Sign-on
215. Generate response
218. Present access decision
214. Present Challenge
162
164
166
User - Type A
User - Type C
User - Type B

Fig. 5

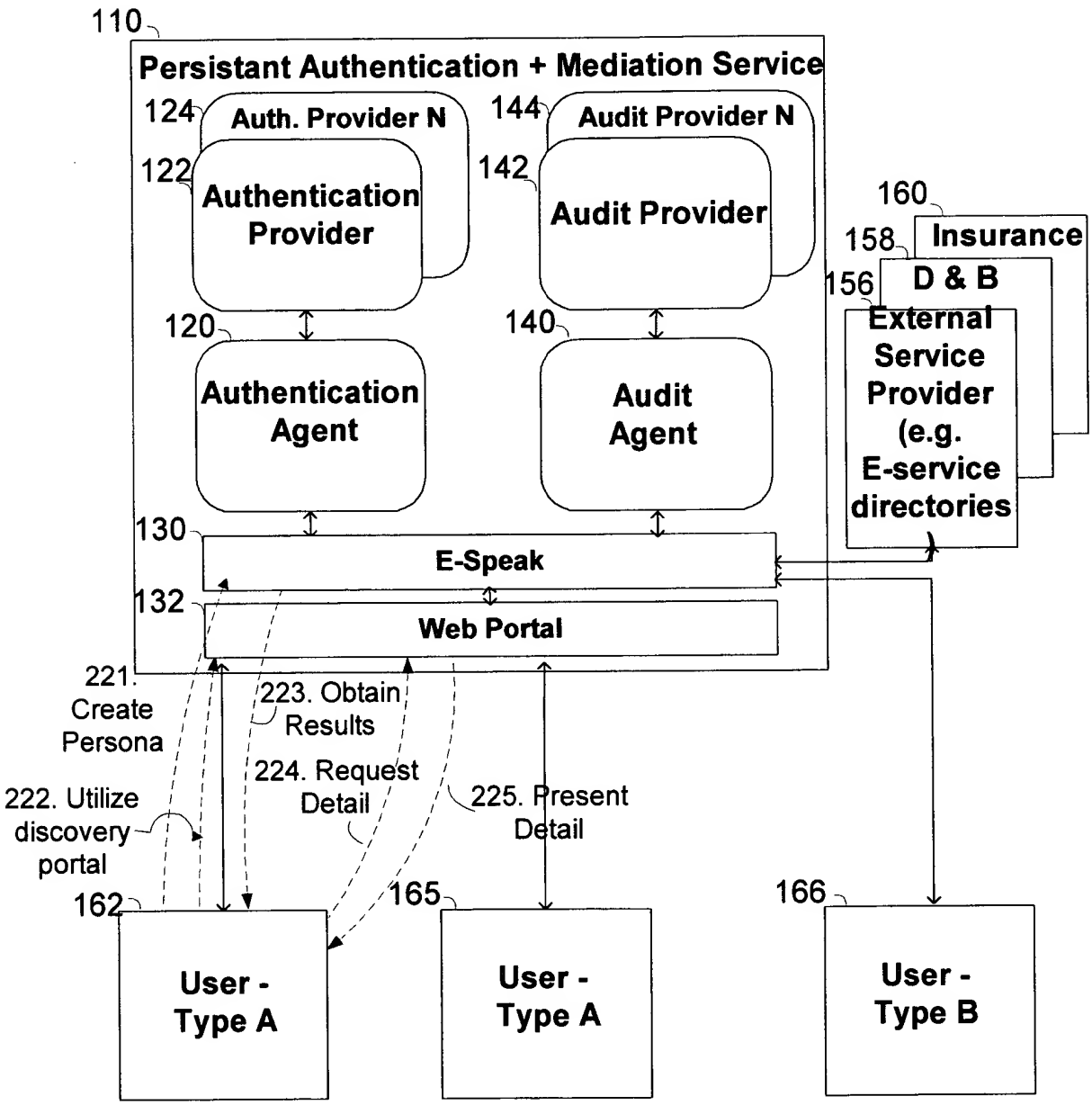

110
Persistant Authentication + Mediation Service
124
Auth. Provider N
122
Authentication Provider
144
Audit Provider N
142
Audit Provider
160
158
Insurance
156
D & B
External Service Provider (e.g. E-service directories)
120
Authentication Agent
140
Audit Agent
130
E-Speak
132
Web Portal
221. Create Persona
223. Obtain Results
224. Request Detail
225. Present Detail
222. Utilize discovery portal
162
165
166
User - Type A
User - Type A
User - Type B

Fig. 6

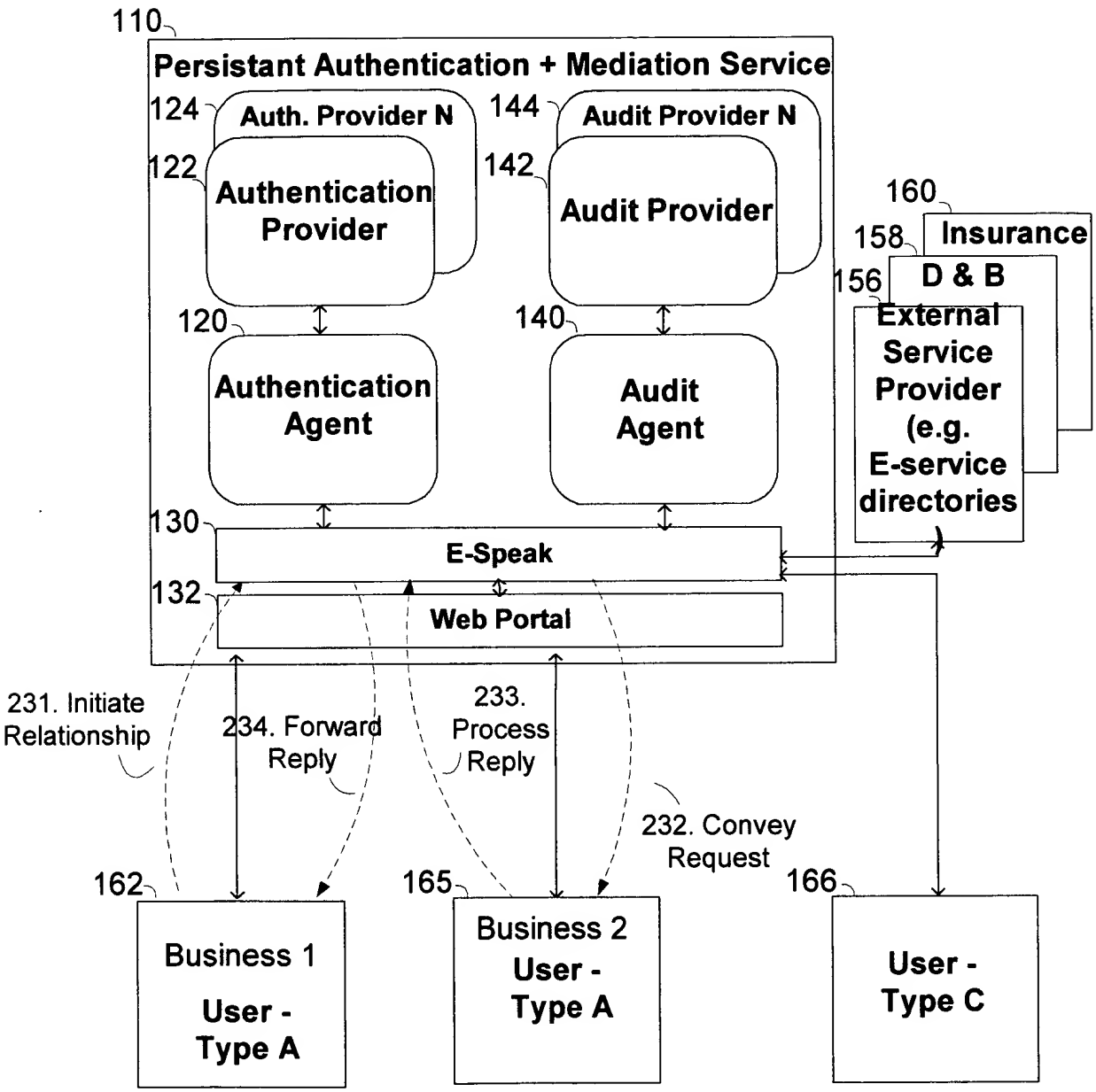

110
Persistant Authentication + Mediation Service
124
Auth. Provider N
122
Authentication Provider
144
Audit Provider N
142
Audit Provider
160
158
Insurance
156
D & B
External Service Provider (e.g. E-service directories)
120
Authentication Agent
140
Audit Agent
130
E-Speak
132
Web Portal
231. Initiate Relationship
234. Forward Reply
233. Process Reply
232. Convey Request
162
Business 1
User - Type A
165
Business 2
User - Type A
166
User - Type C

Fig. 7

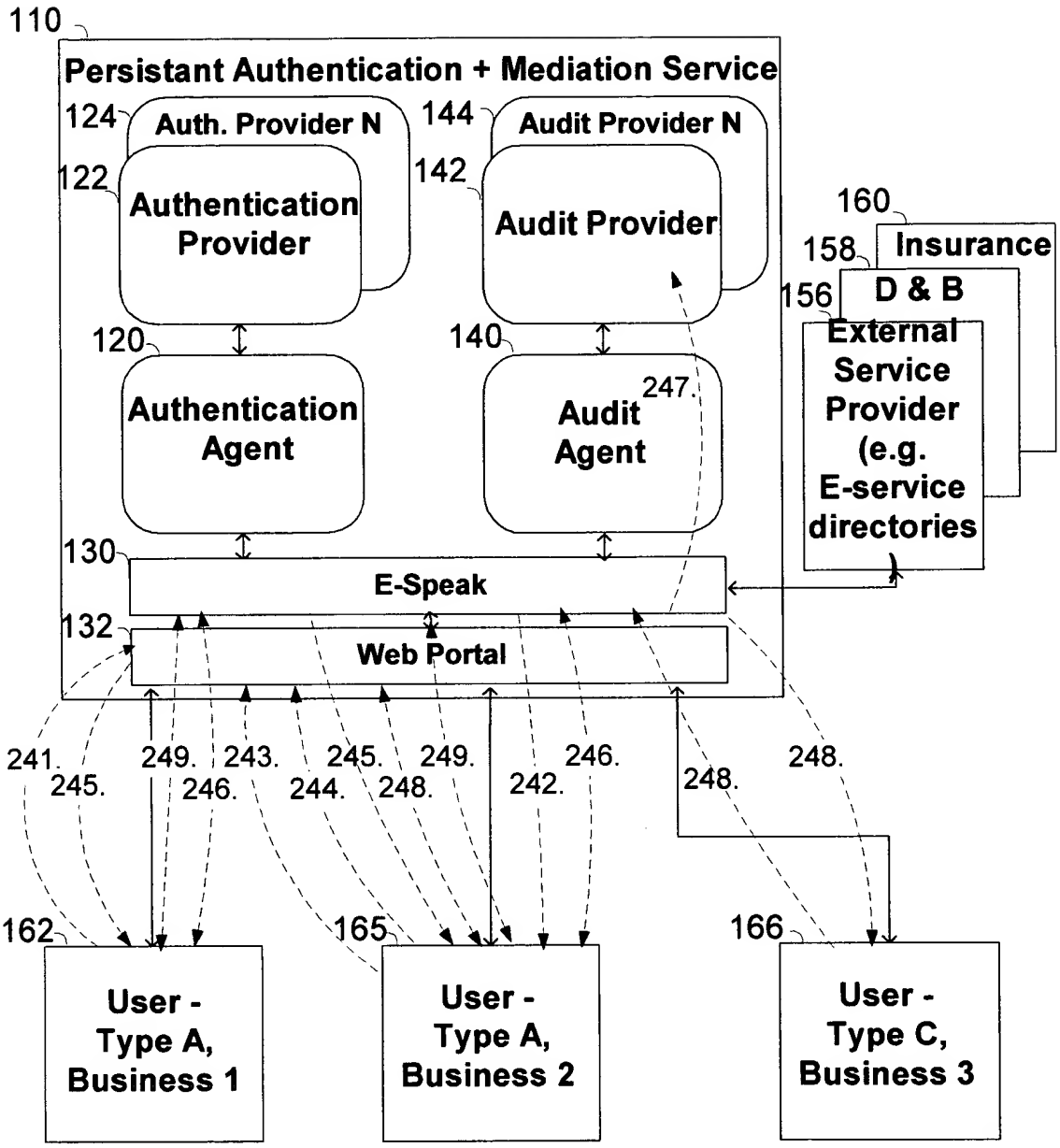

110
Persistant Authentication + Mediation Service
124
Auth. Provider N
122
Authentication Provider
144
Audit Provider N
142
Audit Provider
160
158
Insurance
156
D & B
External Service Provider (e.g. E-service directories
120
Authentication Agent
140
247.
Audit Agent
130
E-Speak
132
Web Portal
241.
245.
249.
246.
243.
244.
245.
248.
249.
242.
246.
248.
248.
162
165
166
User - Type A, Business 1
User - Type A, Business 2
User - Type C, Business 3

Fig. 8

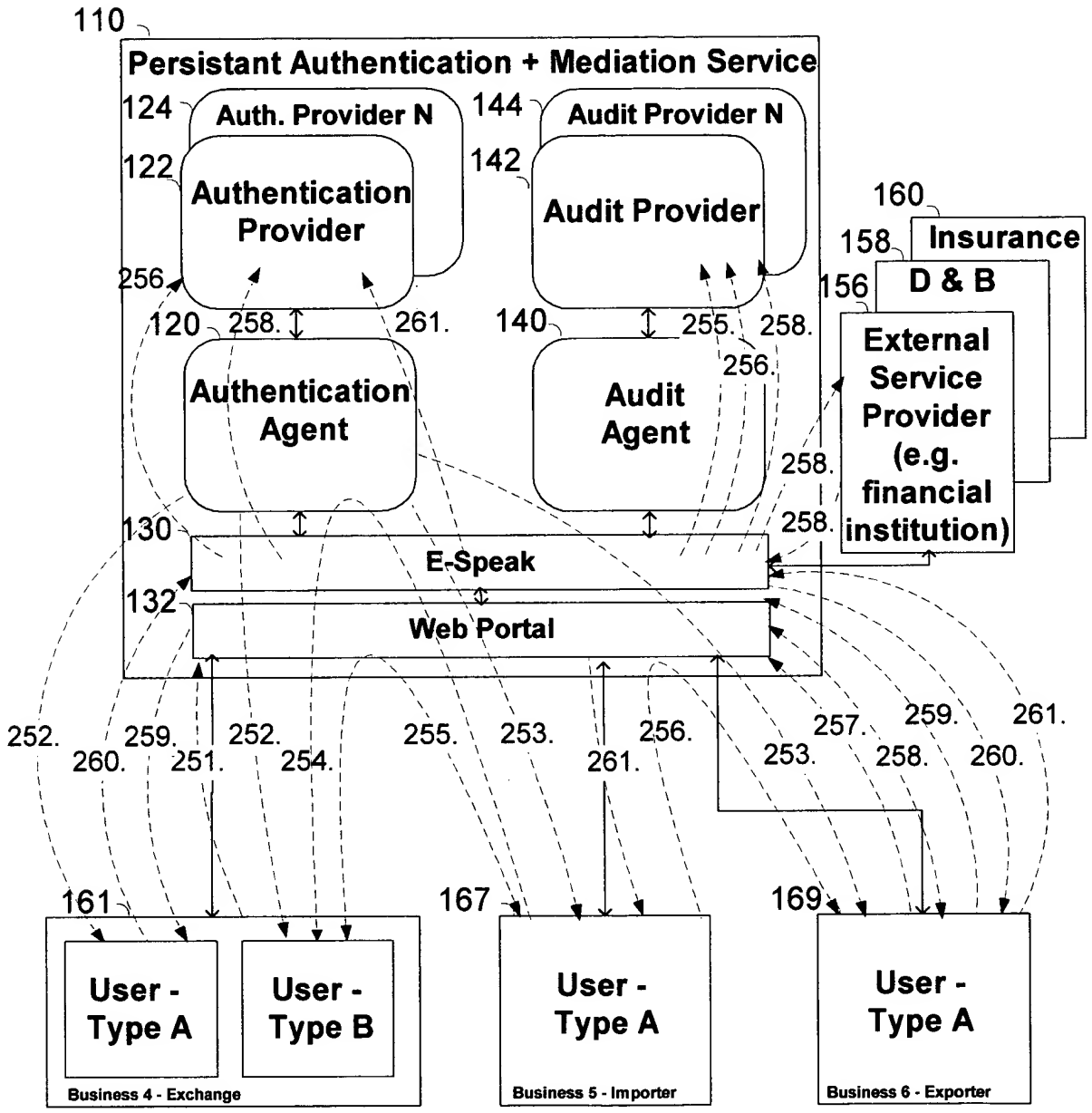

110
Persistant Authentication + Mediation Service
124
Auth. Provider N
122
Authentication Provider
144
Audit Provider N
142
Audit Provider
160
158
Insurance
156
D & B
External Service Provider (e.g. financial institution)
256.
120
258.
261.
140
255.
258.
256.
Authentication Agent
Audit Agent
258.
258.
130
E-Speak
132
Web Portal
252.
260.
259.
251.
252.
254.
255.
253.
256.
261.
257.
253.
259.
258.
261.
260.
161
167
169
User - Type A
User - Type B
User - Type A
User - Type A
Business 4 - Exchange
Business 5 - Importer
Business 6 - Exporter

Fig. 9

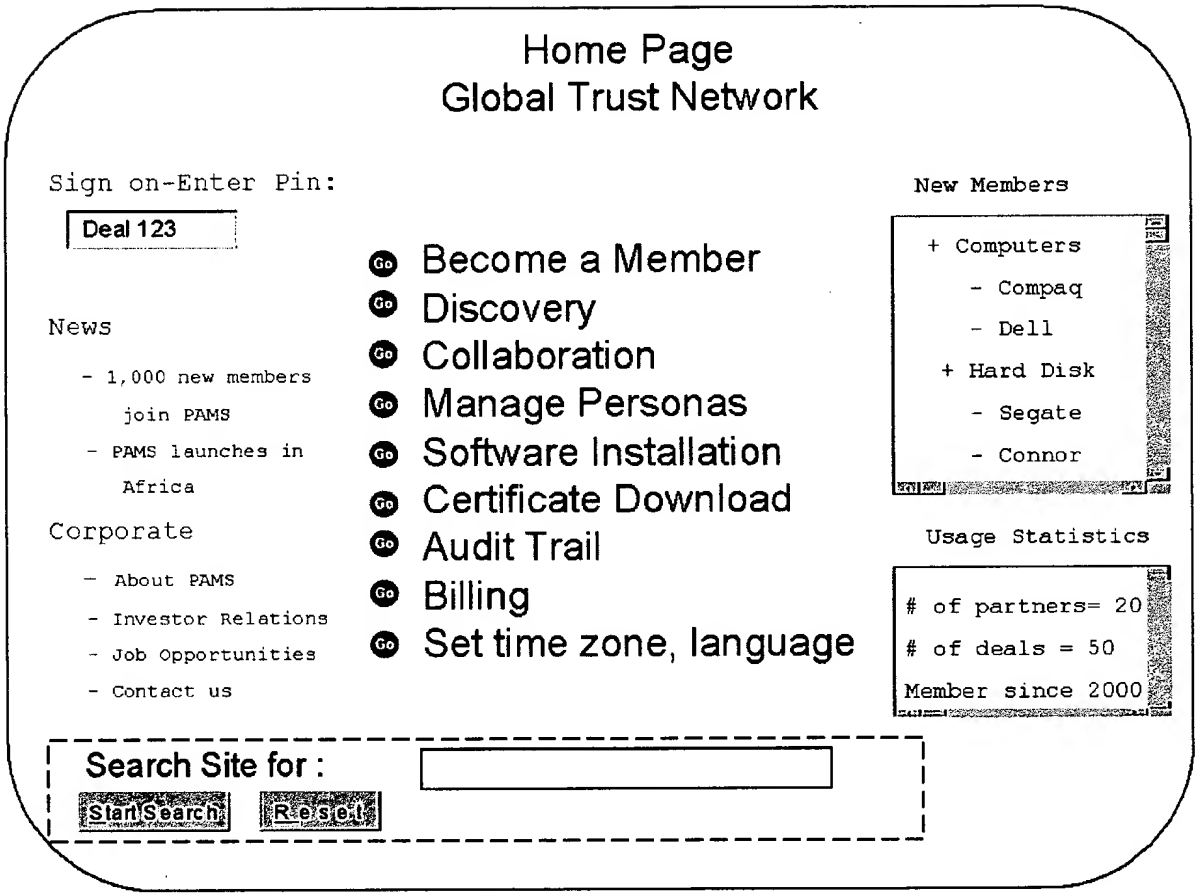

Home Page
Global Trust Network
Sign on-Enter Pin:
Deal 123
News
- 1,000 new members join PAMS
- PAMS launches in Africa
Corporate
- About PAMS
- Investor Relations
- Job Opportunities
- Contact us
Go Become a Member
Go Discovery
Go Collaboration
Go Manage Personas
Go Software Installation
Go Certificate Download
Go Audit Trail
Go Billing
Go Set time zone, language
New Members
+ Computers
- Compaq
- Dell
+ Hard Disk
- Segate
- Connor
Usage Statistics
# of partners= 20
# of deals = 50
Member since 2000
Search Site for :
Start Search
Reset

Fig. 10

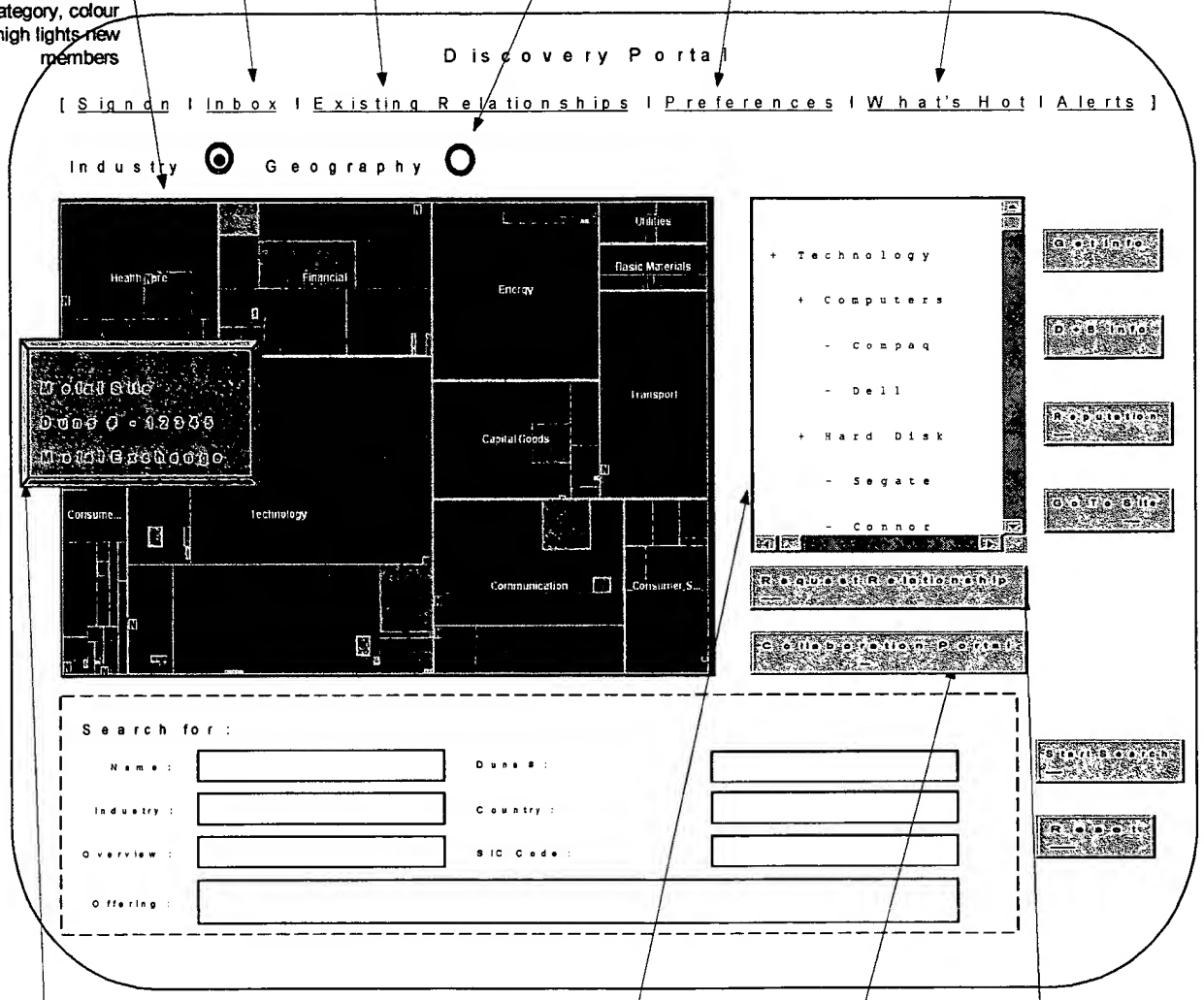

Inbox lists information about the companies who want to establish the portal user.
Lists companies that have an existing relationship. Similar to 'favorities' in a browser.
Displays TC member on a geographic basis. A map of the world is displayed, rolling the cursor over a country displays TC members in that country
Provides a customized view of portal information. For example, only list companies with reputation rating >5
Provides information on what types of products / services are being most requested
Displays TC members by industry, the size of the industry box representing the relative number of companies in the category, colour high lights new members
Discovery Portal
[Sign on | Inbox | Existing Relationships | Preferences | What's Hot | Alerts]
Industry
Geography
Utilities
Basic Materials
Energy
Transport
Capital Goods
Technology
Communication
+ Technology
+ Computers
- Compaq
- Dell
+ Hard Disk
- Segate
- Connor
Search for :
Name :
Industry :
Overview :
Offering :
Duns # :
Country :
SIC Code :
Moving a cursor over the Industry grid, highlights information about the companies in the grid
Selecting an Industry grid, lists the companies in the grid, colour is used to show whether there is an existiing relationship with the company
Discovered or selected companies can be dragged into the collaboration portal
A relationship with a company can be formed by selecting or discovering the company and pressing this button

Fig. 11

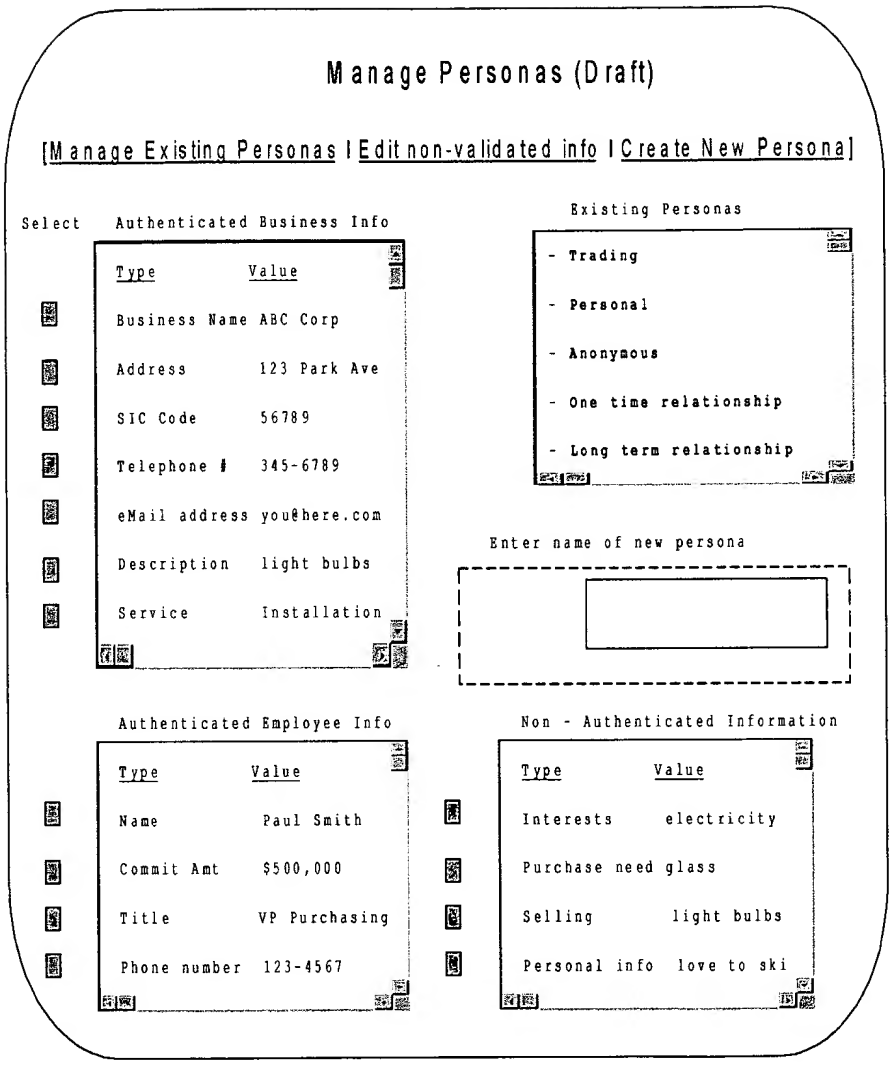

Manage Personas (Draft)
[Manage Existing Personas | Edit non-validated info | Create New Persona]
Select
Authenticated Business Info
Type
Value
Business Name ABC Corp
Address 123 Park Ave
SIC Code 56789
Telephone # 345-6789
eMail address you@here.com
Description light bulbs
Service Installation
Existing Personas
- Trading
- Personal
- Anonymous
- One time relationship
- Long term relationship
Enter name of new persona
Authenticated Employee Info
Type
Value
Name Paul Smith
Commit Amt $500,000
Title VP Purchasing
Phone number 123-4567
Non - Authenticated Information
Type
Value
Interests electricity
Purchase need glass
Selling light bulbs
Personal info love to ski

Fig. 12

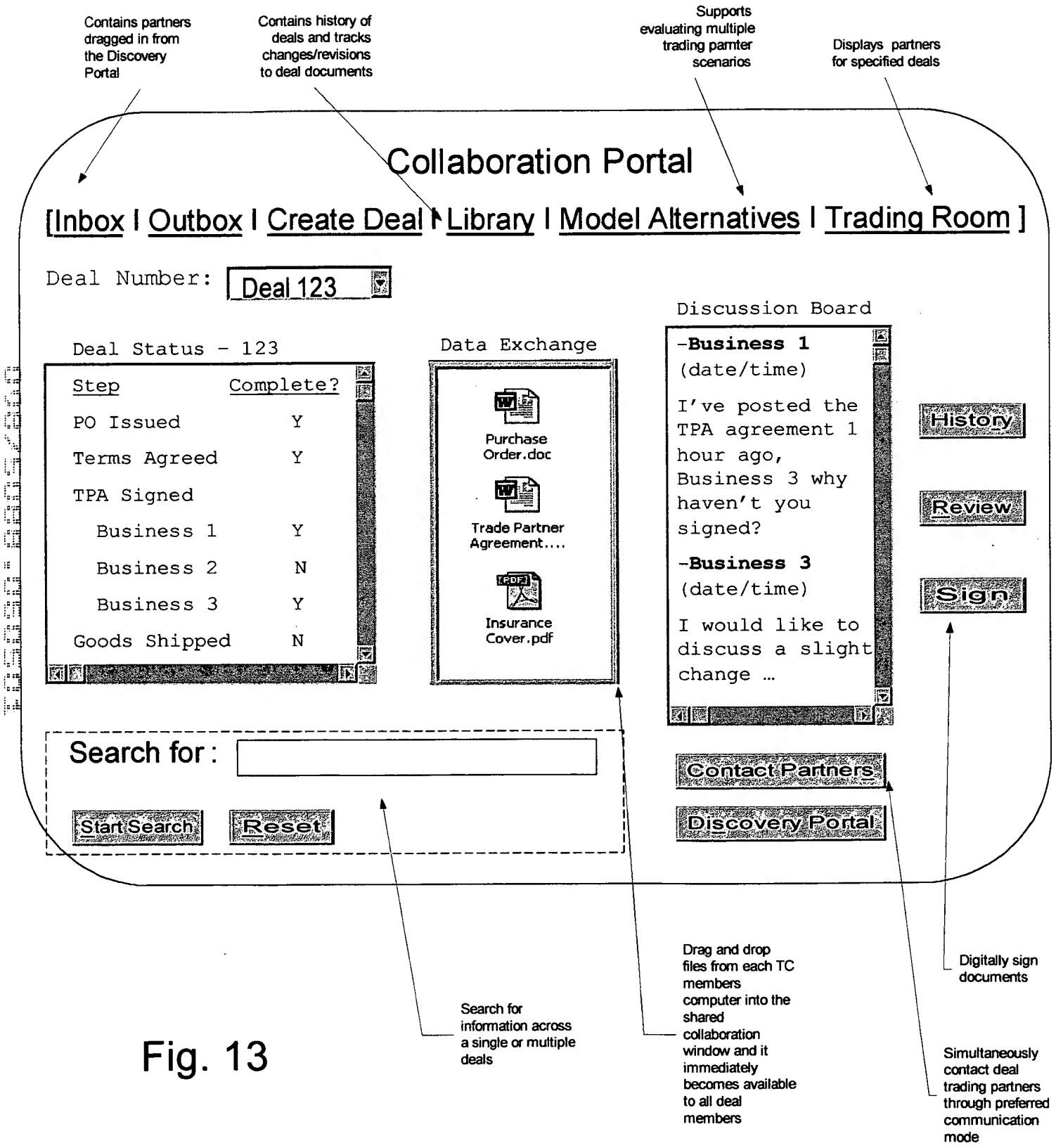

Contains partners dragged in from the Discovery Portal
Contains history of deals and tracks changes/revisions to deal documents
Supports evaluating multiple trading pamter scenarios
Displays partners for specified deals
Collaboration Portal
[Inbox I Outbox I Create Deal I Library I Model Alternatives I Trading Room]
Deal Number: Deal 123
Deal Status - 123
Step Complete?
PO Issued Y
Terms Agreed Y
TPA Signed
Business 1 Y
Business 2 N
Business 3 Y
Goods Shipped N
Data Exchange
Purchase Order.doc
Trade Partner Agreement....
Insurance Cover.pdf
Discussion Board
-Business 1
(date/time)
I've posted the TPA agreement 1 hour ago, Business 3 why haven't you signed?
-Business 3
(date/time)
I would like to discuss a slight change ...
History
Review
Sign
Search for :
Start Search
Reset
Contact Partners
Discovery Portal
Search for information across a single or multiple deals
Drag and drop files from each TC members computer into the shared collaboration window and it immediately becomes available to all deal members
Digitally sign documents
Simultaneously contact deal trading partners through preferred communication mode

Fig. 13

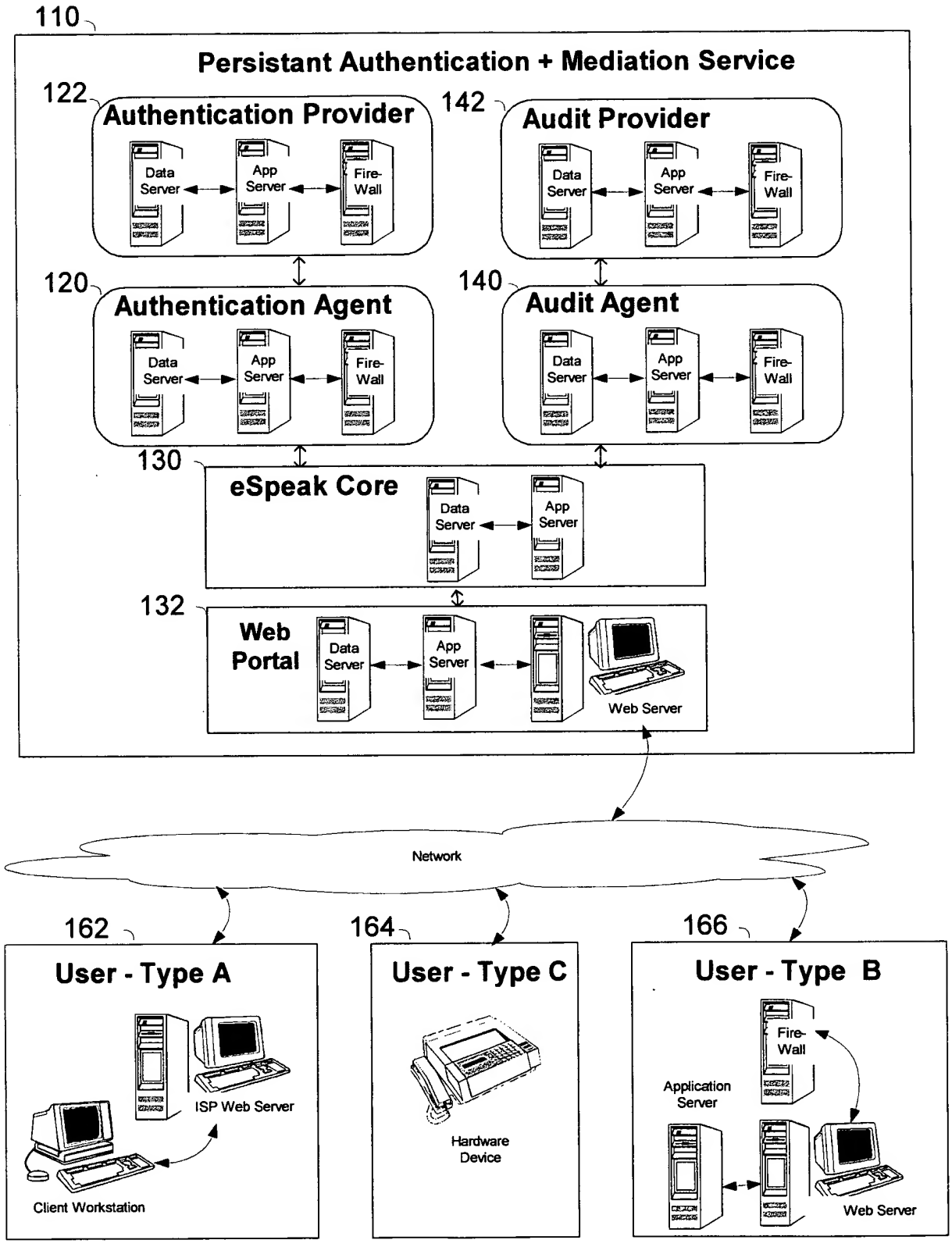

110
Persistant Authentication + Mediation Service
122
Authentication Provider
Data Server
App Server
Fire-Wall
142
Audit Provider
Data Server
App Server
Fire-Wall
120
Authentication Agent
Data Server
App Server
Fire-Wall
140
Audit Agent
Data Server
App Server
Fire-Wall
130
eSpeak Core
Data Server
App Server
132
Web Portal
Data Server
App Server
Web Server
Network
162
User - Type A
ISP Web Server
Client Workstation
164
User - Type C
Hardware Device
166
User - Type B
Fire-Wall
Application Server
Web Server

Fig. 14

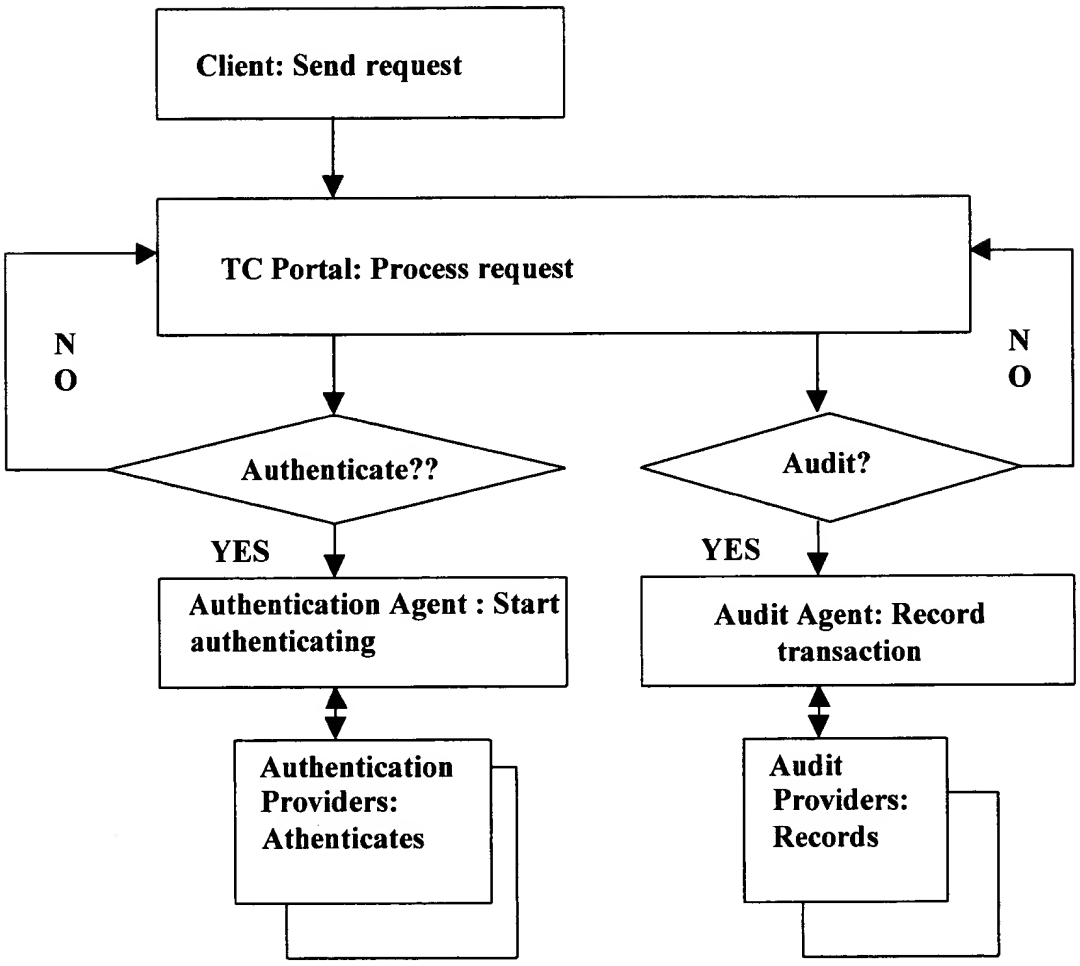

Client: Send request
TC Portal: Process request
NO
NO
Authenticate??
Audit?
YES
YES
Authentication Agent : Start authenticating
Audit Agent: Record transaction
Authentication Providers: Athenticates
Audit Providers: Records

Fig. 15